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Product Name :

Magnetic Field Demonstrator

Product Code :

SLE/MG/19



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Description :

Magnetic Field Demonstrator (Product Code: SLE/MG/19) is a sealed, transparent acrylic chamber of fluid and fine iron filings, used to make magnetic lines of force visible in physics lessons without loose filings. At 12 cm × 22 cm × 1 cm it lies flat over a magnet or on anoverhead projector, making it a demonstration model for the physics lab that a whole class canwatch. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer,at its own factory in Ambala, India.

Specifications

Parameter	Detail
Dimensions	12 cm × 22 cm × 1 cm
Case	Transparent acrylic, permanently sealed
Contents	Fluid with fine iron filings
How it is used	Magnet placed beneath the demonstrator; field lines seen throughthe clear sides of the chamber
Projection	Can be set on an overhead projector to magnify the lines of force
Build	Rugged, flat design
Product code	SLE/MG/19
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Magnetic Field Demonstrator Used For?

Put a bar magnet on the bench, lay the demonstrator over it, and the iron filings inside line up along the magnet's lines of force, crowding at the poles and curving from one end to the other. Because the filings sit in fluid inside a permanently sealed case, the pattern can be cleared and rebuilt as often as needed: gently tilt or shake the chamber to spread the filings again, then place it over the next arrangement.

Students gain most by trying several set-ups in turn — a single bar magnet, two magnets with like poles facing, two with unlike poles facing, and a horseshoe magnet — and sketching each field. For whole-class teaching, set the demonstrator on an overhead projector: the bright light magnifies the lines of force so they are clear even from the back row.

What to Specify When Ordering

- The number of demonstrators — one for the teacher's overhead projector, or one per bench group
- Any bar or horseshoe magnets you want quoted with it, since a magnet is placed beneath the demonstrator in use
- The delivery city or port for the quotation

OEM

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